



Sirius Optics
Unit 1
26 Darnick Street
Underwood, Qld 4119

Opening Hours

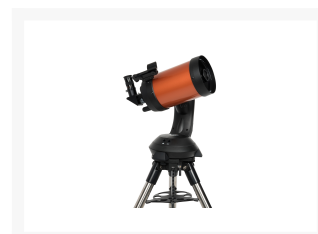
10am-5:30pm Mon-Fri
9am-2pm Sat

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Celestron NexStar 5SE Computerized Telescope

AUD
\$1,749.00

Product Images



Short Description

- 5-inch aperture provides excellent light-gathering ability at an affordable price. You'll get impressive views of the Moon and planets, along with deep sky objects like the Orion Nebula, while retaining a compact form factor.
- Fully automated GoTo mount with database of 40,000+ celestial objects automatically locates and tracks objects for you.
- SkyAlign technology gets your telescope aligned and ready to observe in minutes. Even if you're unfamiliar with the night sky, you can easily align your telescope on any three bright objects.
- Unique single fork arm design and sturdy steel tripod all break down into separate components for easy transport and quick assembly.

NOTE: For solar observing we recommend the Astrozap Glass Solar Filter (Product No. 124466) for use on this telescope.

Description

Celestron's signature orange-tube telescope combines advanced features and excellent optics in one easy-to-use system, the NexStar 5SE. It's the perfect choice for your first serious telescope, offering striking views at an economical price.

OUR FOUNDER'S VISION, REIMAGINED FOR THE 21ST CENTURY

In the 1970s, Celestron's Schmidt-Cassegrain telescopes brought the hobby of astronomy to the masses and established Celestron as the world's premier telescope maker. Our founder, Tom Johnson, invented Celestron's proprietary method of producing Schmidt corrector plates for superior views and maximum portability. Johnson believed in creating high-quality optical instruments at an affordable price, and inspired a generation of amateur astronomers.

Four decades later, we've improved upon this design by adding cutting-edge features, while staying true to our founder's intent.

VIEW THE UNIVERSE'S MOST IMPRESSIVE CELESTIAL OBJECTS

The 5SE's five-inch primary mirror packs enough light-gathering ability to observe the best that the solar system has to offer: Saturn's rings, the cloud bands on Jupiter, and geographic features on the surface of the Moon. When it comes to deep sky objects, take your 5SE to a dark-sky site and you'll see hundreds of pinpoint stars in the Hercules Globular Cluster, the spiral arms of the Whirlpool Galaxy, and more.

REVOLUTIONARY SINGLE FORK ARM MOUNT

We know the best telescope is the one you will use most often. That's why Celestron's engineers created NexStar SE's unique, patented single fork arm mount. It's perfectly portable and makes setup quick and easy. What's more, the NexStar SE breaks down into several lightweight and compact pieces, making it easy to transport, even in small vehicles. You'll have no problem getting the NexStar SE to your favorite observing site, or setting it up quickly in your backyard.

Of course, it's what's inside the mount that really counts. Sturdy construction from high-quality components give NexStar SE the pointing and tracking accuracy needed to observe and follow your favorite targets with push-button ease. Use the included NexStar+ hand control to locate over 40,000 celestial objects, or take a Sky Tour and let your telescope show you the best objects currently visible.

Aligning your telescope is simple and painless, too, thanks to SkyAlign. This process makes alignment as easy as 1-2-3: just center three bright objects in your eyepiece and press ALIGN. For even easier alignment, attach our StarSense AutoAlign and your NexStar SE aligns itself!

ADVANCED FEATURES LET THE NEXSTAR SE GROW WITH YOU

The NexStar SE is compatible with all the high-tech accessories advanced users love. Provide GPS coordinates to your telescope with SkySync, or add automatic alignment functionality with StarSense AutoAlign.

If you want to explore the world of astroimaging, the 5SE is a perfect choice. Its built-in wedge allows you to track long exposures. You can even remove the telescope's secondary mirror and replace it with a DSLR or astronomical CCD camera for wide field images captured at f/2 using a Fastar/HyperStar lens assembly. Or, if you're interested in imaging the Moon and planets, pair your NexStar 5SE with one of our Skyris cameras. From your first observing session and for years to come, the NexStar SE is your trusted companion.

Specifications	Optical Tube Info:	
	Optical Design	Schmidt-Cassegrain
	Aperture (mm)	125 mm (4.92 in)
	Focal Length	1250 mm (49 in)
	Focal Ratio	10
	Focal Length of Eyepiece 1 (mm)	25 mm (0.98 in)
	Magnification of Eyepiece 1	50 x
	Finderscope	StarPointer
	Star Diagonal	1.25"
	Mount Info:	
	Mount Type	Single Fork Arm Altazimuth
	Tripod	Steel with built-in wedge
	Power Requirements	8-AA batteries (not included)
	Highest Useful Magnification	295 x
	Lowest Useful Magnification	18 x
	Limiting Stellar Magnitude	13
	Resolution (Rayleigh)	1.11 arc seconds
	Resolution (Dawes)	0.93 arc seconds
	Light Gathering Power (Compared to human eye)	329x x
	Apparent Field of View	1 °
	Linear Field of View (@1000 yds)	53 ft (16 m)
	Secondary Mirror Obstruction	51mm in (1295 mm)
	Secondary Mirror Obstruction by Diameter	40% %
	Secondary Mirror Obstruction by Area	16.6% %
	Optical Coatings	StarBright XLT
	Optical Tube Length	13 in (330 mm)
	Total Telescope Kit Weight	17.6 lbs (7.98 kg)
	Tripod Weight	10 lbs (4.54 kg)
	Slew Speeds	Nine slew speeds
	Tracking Rates	Sidereal, Solar and Lunar
	Tracking Modes	Alt-Az, EQ North & EQ South
	Alignment Procedures	SkyAlign, Auto 2-Star Align, 1-Star Align, 2-Star Align, SolarSystem Align
	Communication Ports	RS-232 communication port on hand control, Aux port, Camera Control port
	Computer Hand Control	Double line, 16 character Liquid Crystal Display with 19 fiber optic backlit LED buttons
	Database	38,181 accessible objects
	Warranty	2-year Telescope Warranty